

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A diffusion sheet for use in a transmission-type screen,
the diffusion sheet comprising:

_____ a main diffusion layer having an incidence surface and an emergence surface
~~which~~ that are parallel to each other; ~~and~~

_____ an assisting diffusion layer provided at least on an emergence surface-side of
the main diffusion layer;

_____ wherein:

~~the main diffusion layer diffusing a light, which is substantially~~
~~perpendicularly incident on the incidence surface, in a diffusion direction to be emitted from~~
~~the emergence surface;~~

_____ the main diffusion layer is provided with a plurality of substantially parallel
groove channels in the emergence surface extending along the main diffusion layer in a
vertical direction;

_____ each of the groove channels ~~having~~ has a substantially V-shaped cross-section
~~being disposed in parallel to one another on the emergence surface of the main diffusion~~
~~layer;~~

_____ ~~each groove channel being formed~~ defined by a first side wall and a second
side wall that extend into the emergence surface and intersect within the main diffusion layer,
each of the first side walls and the second side walls having a shape selected from ~~by two~~
~~planes, curved surfaces, or bent planes which are joined to each other in the main diffusion~~
~~layer;~~

the main diffusion layer is provided with a plurality ribs separating the plurality a region sandwiched between the adjacent two of groove channels;
~~_____ providing a rib with each of the ribs has a substantially trapezoidal cross-section, while the planes, curved surfaces, or bent planes which form defined by the emergence surface, the first side wall of an adjacent each groove channel, providing side surfaces of the rib, and the second side wall of another adjacent groove channel;~~

~~the light substantially perpendicularly incident on the incidence surface being is reflected on by the first and second side surfaces of the rib walls so that the light is diffused in the a diffusion direction, wherein;~~

~~an assisting diffusion layer is disposed on the side of the emergence surface of the main diffusion layer, or on both sides of the emergence surface and the incidence surface of the main diffusion layer, the assisting diffusion layer having comprises a light diffusion component for diffusing that diffuses a light at least in the same diffusion direction as the diffusion direction, and; and~~

~~the light diffusion component of the assisting diffusion layer is adjusted such selected so that a gain curve of an emergent for light emergent from the diffusion sheet at horizontal viewing angles has no minimal point with respect to a direction perpendicular to the plurality of groove channels.~~

2. (Currently Amended) A diffusion sheet according to claim 1, wherein
~~_____ the gain curve for light emergent from the diffusion sheet has a variation of an inclination of the gain curve of the emergent light is adjusted to be equal to or less than 0.1 (cd/(m² lux))/degree or less.~~

3. (Currently Amended) A diffusion sheet according to claim 1, wherein the groove channels are filled with

_____ a substantially transparent resin is ~~filled in the groove channels of the main diffusion layer, the resin having a lower refractive index lower than that of a material forming the ribs.~~

4. (Currently Amended) A diffusion sheet according to claim 3, wherein _____ light absorption particles having a light absorbing function are dispersed in the resin.

5. (Currently Amended) A diffusion sheet according to claim 1, wherein _____ the light diffusion component of the assisting diffusion layer ~~disposed on the emergence surface of the main diffusion layer~~ is formed of a diffusion material.

6. (Currently Amended) A diffusion sheet according to claim 1, wherein _____ ~~the further comprising a second assisting diffusion layer is further disposed provided on the an incidence surface-side of the main diffusion layer,; and wherein:~~

~~the a second light diffusion component of the second assisting diffusion layer disposed on the incidence surface of the main diffusion layer is formed of comprises a~~ lenticular lens.

7. (Currently Amended) A diffusion sheet according to claim 1, wherein _____ ~~further comprising the a second assisting diffusion layer is further disposed provided on the an incidence surface-side of the main diffusion layer, and; wherein:~~

~~the a second light diffusion component of the second assisting diffusion layer disposed on the incidence surface of the main diffusion layer is formed of comprises a prism~~ lens.

8. (Currently Amended) A transmission-type screen, comprising:
a diffusion sheet for use in a transmission-type screen; and
_____ a Fresnel lens provided on a side of the diffusion sheet to which light is incident during operation;

wherein:

the diffusion sheet comprises:

~~including~~ a main diffusion layer having an incidence surface and an emergence surface ~~which that~~ are parallel to each other; and

an assisting diffusion layer provided at least on an emergence surface-side of the main diffusion layer;

wherein:

~~the main diffusion layer diffusing a light, which is substantially perpendicularly incident on the incidence surface, in a diffusion direction to be emitted from the emergence surface,~~

the main diffusion layer is provided with a plurality of substantially parallel groove channels in the emergence surface extending along the main diffusion layer in a vertical direction;

each of the groove channels having has a substantially V-shaped cross-section being disposed in parallel to one another on the emergence surface of the main diffusion layer,

each groove channel being formed by two defined by a first side wall and a second side wall that extend into the emergence surface and intersect within the main diffusion layer, each of the first side walls and the second side walls having a shape selected from planes, curved surfaces, or bent planes which are joined to each other in the main diffusion layer;

the main diffusion layer is provided with a plurality of ribs separating the plurality a region sandwiched between the adjacent two of groove channels;

each of the ribs has providing a rib with a substantially trapezoidal cross-section defined by the emergence surface, the first side wall of an , while the planes,

~~curved surfaces, or bent planes which form each adjacent groove channel, providing side surfaces of the rib, and the second side wall of another adjacent groove channel;~~

~~the light substantially perpendicularly incident on the incidence surface being is reflected on by the first and second side surfaces of the rib walls so that the light is diffused in the a diffusion direction, wherein;~~

~~an assisting diffusion layer is disposed on the side of the emergence surface of the main diffusion layer, or on both sides of the emergence surface and the incidence surface of the main diffusion layer, the assisting diffusion layer comprises having a light diffusion component for diffusing a that diffuses light at least in the same direction as the diffusion direction, and~~

~~the light diffusion component of the assisting diffusion layer is adjusted selected such so that a gain curve of an emergent for light emergent from the diffusion sheet at horizontal viewing angles has no minimal point with respect to a direction perpendicular to the plurality of groove channels; and~~

~~_____ a Fresnel lens disposed on the side of the incidence surface of the diffusion sheet.~~